
Fall 1999

Lie-Nielsen TOOLWORKS INC.



Iron Miter Plane



Low Angle Smoothing Plane

The Low Angle Smoothing Plane is based on the rare Stanley 164, and is essentially a shorter version of the Low Angle Jack Plane —

with the adjustable mouth, and massive $\frac{3}{16}$ " thick, 2" wide, blade, set at 12° . The tool is only $9\frac{1}{2}$ " long, however. We are calling it a Smoothing Plane because of its size (the same as our No. 4 Smoother). But like the Jack it excels at both rough and finish work, and can be converted from one mode to another very quickly.

At just $3\frac{3}{4}$ pounds this tool has authority behind it. It is equipped with a full size handle and front knob. The hand hold is a bit tight at first, but once you are used to it, it seems just right. The unique overhead Bailey type blade adjuster provides silky smooth depth adjustment at your fingertips. The body is flat ground Ductile Iron casting.

Low Angle Smoothing Plane	\$ 235.
Replacement Blade	\$ 30.
Toothed Blade	\$ 35.

On the cover: The Lie-Nielsen Iron Miter Plane is based on Stanley's No. 9, discontinued in 1943. Original tools are rare and very expensive, but the style is well known from 19th century European and especially English tools, going back to some of the very first planes made in Western Europe since Roman times. We are pleased to be making this unique tool available once more.

Weight (about $4\frac{1}{2}$ lbs.) and solidity make this plane ideal for many planing jobs on straight and end grain. Its boxy construction is designed specifically for the tool to be used on its side, with or without a shooting board (see *Fine Woodworking* No. 106, June 1994), to shoot lengths, right angles, and of course, miters. A second knob is provided, and mounts on either the front left or right side to facilitate your grip.

The 2" wide blade is set in the tool bevel up at 20° with a 25° bevel, making this a very large block plane, with an included cutting angle of 45° . The Bailey type adjuster controls the blade easily and precisely even while planing. The mouth is fully adjustable. Sides and bottom are machine ground dead flat and square. Ductile Iron, Bronze, Brass Cherry and Tool Steel construction.

Iron Miter Plane	\$ 350.
Replacement Blade	\$ 35.

Low Angle Jack

Our Low Angle Jack Plane is based on the Stanley 62, a 14" plane with a 2" blade bedded at 12°. A moveable shoe allows fine adjustment of the mouth.

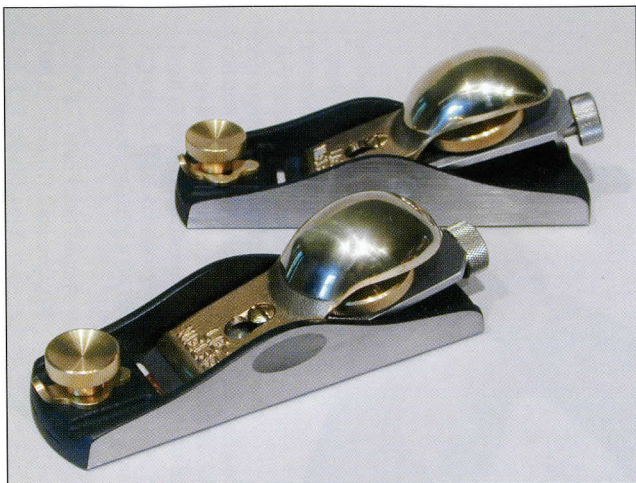
The body is made from fully stress relieved Ductile Iron castings. The blade is a hefty 3/16" thick, ground razor sharp. Adjustment is very positive with a knurled stainless captive nut. The cap iron is Bronze, knob and handle are Cherry.



This is an outstanding plane.

The low angle blade set with the bevel up (making this technically a block plane) was originally designed for end grain work—flattening butcher blocks. Our massive blade makes for very smooth cutting on end or long grain. The generous handle is hand shaped for a comfortable grip. The soles are ground dead flat. Design and workmanship combine to make a tool that will be a pleasure to own and use every day for years to come.

Low Angle Jack Plane	\$ 225.
Replacement Blade	\$ 30.
Toothing Blade	\$ 35.



Low Angle & Standard Adjustable Mouth Block Planes

These block planes are 6 1/4" long with a 1 3/8" x 1/8" thick iron. Bodies are surface ground dead flat on the bottom, and feature a moveable shoe to allow precise, easy control over the mouth opening in front of the blade. You can easily adjust the tool to suit the work being done: a very fine mouth setting for finishing work and the merest shavings, or an ample opening for rank cuts.

The Bronze Cap Iron is large and comfortable. It is tensioned with a 1 1/2" Brass Spinwheel. Like our other Block Planes the blade is adjusted with a captive nut. Blade on the low angle tool is bedded at 12°, the Standard at 20°, and has a 25° flat ground bevel.

This tool has an appealing feel in the hand and is a pleasure to use. It is versatile, of a convenient size and cuts with the authority of one and one half pounds behind every stroke. Useful for every sort of woodworking job, this tool will quickly become a favorite. An ideal companion to the Low Angle Jack Plane.

Low Angle Adjustable Mouth Block Plane	\$ 150.
Standard Adjustable Mouth Block Plane	\$ 150.
Replacement Blade	\$ 25.
Toothed Blade	\$ 30.

Toothed Blades: We are now offering toothed blades for several of our planes (in addition to the scrapers). These blades have small chisel-like teeth .030" wide spaced .030" apart and are excellent for heavy stock removal on difficult grain woods. Follow with a fine set smoothing plane.

Low Angle and Standard Block Planes

These small Bronze planes fit perfectly in the hand and slip easily into the pocket. The 5 1/4" body holds a 1/8" x 1 1/4" tool steel blade. An unobtrusive stainless steel adjuster offers blade control of micrometer ease and precision with minimum backlash. The blade in the Low Angle Plane is bedded at 12 1/2° for fine cuts and end grain.

The Standard Block Plane blade is set at 20° and will take a heavier cut with the grain.

The heft and feel of polished bronze fashioned in such a delightful shape will make these the most reached for tools in your kit.

Low Angle Block Plane	\$ 95.
Standard Block Plane	\$ 95.
Replacement Blade	\$ 22.
Toothed Blade	\$ 28.



Low Angle and Standard Block Planes

Why bronze? is a question we are often asked. Though Iron has been the material of choice for mass-produced tools, we use Manganese Bronze which is a very hard, strong alloy that wears very well, unlike brass and softer bronzes. We prefer this bronze to iron for small planes because it's heavier, it doesn't rust, won't crack if dropped and has wonderful warmth in the hand. We use iron when the extra weight is not welcome.



Independence Saws

We are pleased to offer our first backsaws. These classic tools are based on a Sheffield-made saw from the 1830s. English backsaws from that era represent the pinnacle of the sawmaker's art, where beauty, form and function are blended to perfection. The highly decorative handle will fit your hand like a glove, comfortable and ready for hours of sawing pleasure. Balance is excellent.

Since dovetailing is a ripping operation, where the kerf is running with the grain, the saw has its teeth filed to a rip profile, unlike other dovetail saws on the market today.

The Dovetail Saw has 15 ppi (points per inch). The higher the number of points, the finer the surface the saw leaves after its cut. However, the higher number of points reduces the depth of the gullets (valleys between each tooth) and makes the saw cut slower. The Independence Dovetail Saw strikes an ideal balance between surface finish and speed with 15 points per inch. Dovetail saw length, including handle, is 14", with an overall height of 4 1/4". Useable blade dimensions are 9" long by 1 5/8" deep.

The Carcass Saw is used for precise cuts across the grain, cutting tenon shoulders, defining the edges of a dado. The ideal compliment to the Dovetail Saw. 14 ppi (points per inch), filed crosscut, for cutting quickly, yet accurately and smoothly. Overall length, including handle, is 16", with an overall height of 4 7/8". Usable blade dimensions are 11" long by 2 1/4" deep.

Many first time sawyers find it difficult to track a saw straight along the line they've scribed. These saws make tracking effortless, because of the fine set of the teeth, .003" per side for an average of .026" wide kerf: the blade cannot wobble from side to side, which is what causes a saw to veer off course.

Blades are the finest .020" polished steel, hardened to Rc 52, assuring you of infrequent sharpenings. Solid brass chamfered backs. Handles curly hard maple, attached with traditional split nut screws.

Every saw is test cut before it is shipped. Possible delivery delays.

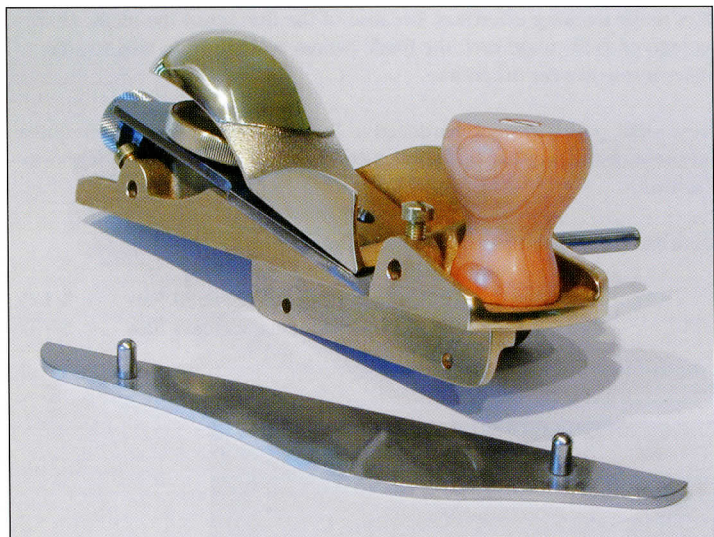
Independence Dovetail Saw	\$ 125.
Independence Carcass Saw	\$ 137.



Bronze Shoulder Plane

This small shoulder plane, modeled after a traditional English shoulder plane, is a gem. The tool is 5 1/2" long, with a 1/2" wide blade, secured with a wooden wedge. Cast Bronze body, stuffed with Indonesian Rosewood. With a fine set mouth, this is an ideal tool for trimming dados, rabbets, and shoulders during fitting operations.

Bronze Shoulder Plane	\$ 160.
Blade	\$ 30.



Skew Block Plane

This unusual plane derives from the Stanley No. 140 taken out of production many years ago. It is a block plane with a skewed blade and a removable side piece to allow quick conversion to rabbeting.

The set of the blade has been lowered to 12° and an adjustable fence added, making it more convenient for rabbeting and cross grain work, such as fielding raised panels. The 1 1/2" blade is hardened to Rockwell 60-62 and has a captive nut for positive and accurate adjusting. Castings are Manganese Bronze. Body is 6 7/8" x 1 7/8".

At two pounds this plane is substantially heavier than the usual block plane. Extra weight and skewed low angle blade facilitate smooth, sure cutting, even in hard woods and difficult grains. Full polish and careful hand finishing are the final touches to this unique and beautiful tool.

Skew Block Plane	\$ 185.
Replacement Blade	\$ 30.



Large Shoulder Plane

This all metal Shoulder Plane is based on the Record 073, which in turn was based on a Preston model. The tool is 8 1/4" long, with a 1 1/4" blade. The body is cast Ductile Iron, the lever cap is Bronze. Weight 4 lbs.

The captive-nut blade adjustment is very positive. Adjustment and Locking Screws are large and convenient. The mouth adjustment screw is captured in the toe piece and threaded into the body. Therefore it adjusts the mouth both when turned in and when turned out, unlike the original.

The body is precisely ground flat and square — an essential feature for a shoulder plane. The blade will be .005" wider than the body, bedded at 18° with a 25° bevel.

Large Shoulder Plane	\$ 185.
Replacement Blade	\$ 30.

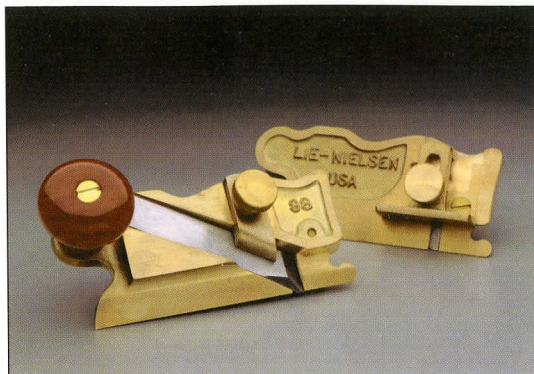
Dear Woodworker,

We have several new tools in this brochure, including two back saws. New tool development is moving right along, and we are taking pre-production orders for both a No. 7 Jointer Plane and a No. 4 1/2 Smoothing Plane (call for details).

Please visit our web site at: <http://www.lie-nielsen.com>. Tools may now be ordered on-line. We look forward to hearing from you.

Sincerely,


Thomas Lie-Nielsen



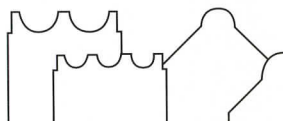
Side Rabbet Plane Set

If you have ever cut a dado and wished it was just a bit wider you will appreciate these. This pair of small planes is perfect for cleaning up or widening dados, rabbets, tenons and other hard to reach places. Width of cut is 1/2". The tools are 4 1/2" long, 2" high, and will fit into a 3/16" groove at full depth. A shoe in front of the blade can be removed to allow the tool to reach right into the corners. Based on the Stanley 98 & 99.

Some side rabbet, or side fillister, planes combine two blades in one tool. With this set separate tools allow you to choose the one best suited to the particular cut you are making, and the way that you need to approach the grain of the wood. Adjustable depth stops control depth and help steady the tool to the work.

Plantation grown Indonesian Rosewood knobs available for \$10. extra.

Side Rabbet Plane Set	\$ 185.
Replacement Blade for No. 98	\$ 30.
Replacement Blade for No. 99	\$ 30.



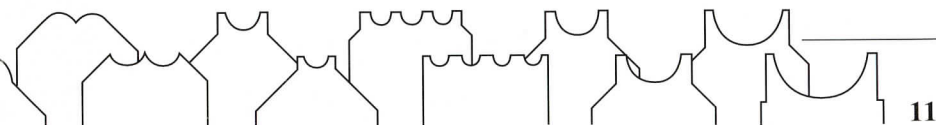
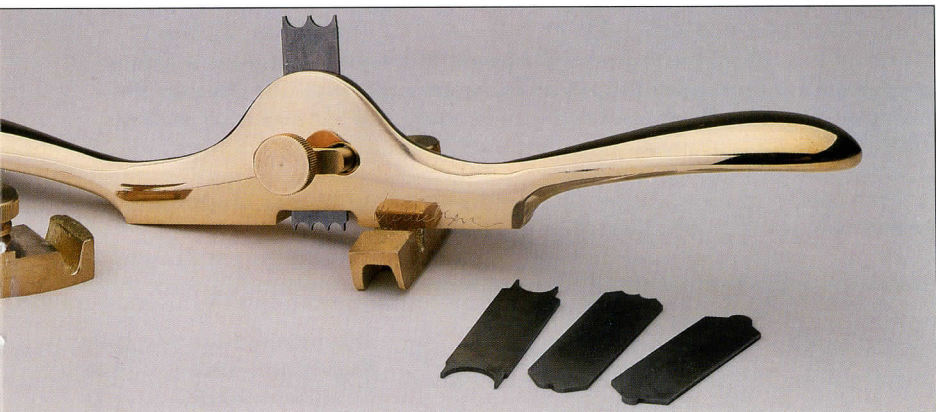
Bronze Beading Tool

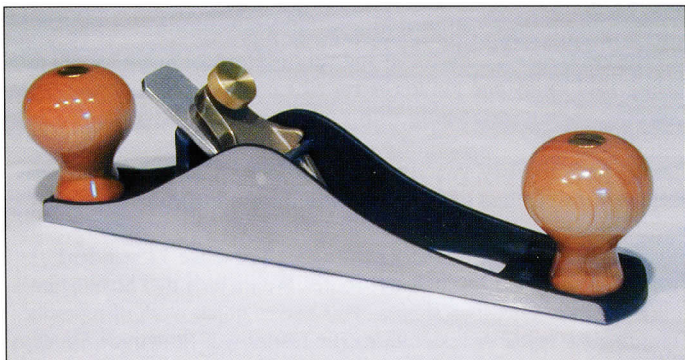
Although the modern electric router is a universal and very useful tool many woodworkers will find the Beading Tool handy and fun to use for making a variety of decorative moldings, beading, reeding, fluting and routing with a minimum of fuss.

Our Beading Tool derives from an early, generously proportioned Stanley No. 66. It has a polished cast bronze body, curved and straight fences, and brass blade clamp.

Seven hardened spring steel double-ended blades ($\frac{5}{8}$ " wide) will make 14 standard shapes (illustrated full size below) and $\frac{1}{8}$ " and $\frac{1}{4}$ " router. We include two blanks that can be worked with files to make your own shapes. This makes quick work of reproducing small pieces of molding for repair or restoration. The blades will fit antique Stanleys as well, for those who have or acquire one without blades.

Beading Tool with Blades	\$ 145.
Blade Set Only	\$ 40.
Set of Blanks	\$ 7.





Butt Mortise Plane

The Butt Mortise Plane will help you prepare and hang doors in a fraction of the time required to set up a router and template. This tool is easy to use and will make precise mortises with sharply square corners to an accurate, uniform depth. The hinge will fit perfectly every time.

Useful for installation of hardware such as hinges, lock fronts, strike plates as well as mortising dutchmen to repair flaws in jambs, furniture and doors. The elongated slot in front of the blade provides a clear view of the work. This tool does a job no other plane can do.

A Scrub Blade is also available for rapid planing when large amounts of stock need to be removed, such as backplaning trim to fit an uneven wall surface.

Ductile Iron body, 9 5/8" x 1 1/2". Blade is 3/4" wide.

Butt Mortise Plane	\$ 99.
Replacement Blade	\$ 18.
Scrub Blade	\$ 18.



Scrub Plane

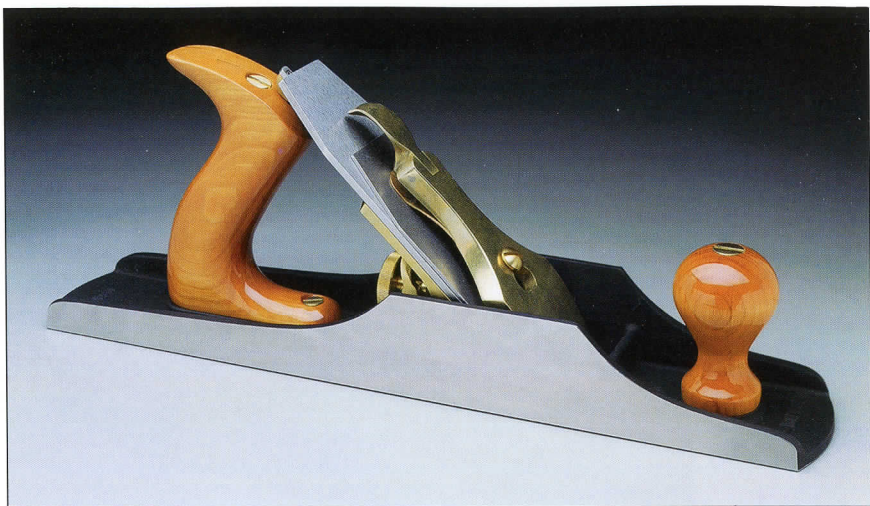
A scrub plane is designed to remove large quantities of wood in a hurry. In the past scrub planes were used as one does a thickness planer to take rough sawn boards down to size then finishing with a jack plane and a smooth plane.

Today's woodworker will still find pleasure in using a scrub plane for this purpose, as well as find it practical for shaping irregular objects and producing an interesting finished surface or jobs like backing out a length of molding to fit an irregular wall.

The Lie-Nielsen Scrub Plane has a cast iron body 10 1/4" long, with a generous cherry knob and handle. The blade is massive to eliminate chatter — 3/16" thick x 1 1/2". A slight radius on the blade and an open throat allow taking a deep cut with ease. Based on the Stanley 40 1/2.

Scrub Plane	\$ 140.
Replacement Blade	\$ 25.

Ductile Iron: Ductile iron is a specially formulated material that is much stronger than gray iron. A tool made from it will survive an accidental fall to the workshop floor that would break a gray iron casting. We now make all of our iron tools from ductile, and believe that we are the only planemakers ever to have done so.



No. 5 Bench Plane

Bench Planes

Our Bench Planes (except for the No. 1) are based on the Stanley Bedrock model. Bedrocks were the top of the line, heavier and better made than the standard. The frog design is unique — a fully machined mating fit between the frog and the body. The design allows precise and easy adjustments of the mouth opening from the rear without having to remove the cap and blade.

These features, in addition to our usual extra-thick (1/8") extra hard (Rockwell 60-62) high carbon tool steel blade, make for a very solid tool that will give excellent results in the most demanding conditions.

Bronze or Ductile Iron bodies, hand finished Cherry knobs and handles. Bronze soles are hand flattened, Iron soles machine ground; the No. 5 sides are machine ground square to the sole for shooting. Precisely made, fit and finished, these tools are ready for use right out of the box.

Blades: We make our blades from high carbon tool steel, hardened and tempered in our own facility to Rockwell 60-62 to provide a long lasting blade. Careful heat treatment produces a fine grain structure so the blade will take a very fine edge. Our blades are thicker than usual for a chatter-free cut. The final step is a full surface grinding of the top, back and cutting edge, giving a smooth flat surface requiring little honing before use.

No. 1 Bench Plane

Miniature Bench Plane, 5 1/2" long with a 1 3/16" blade.

No. 1, Bronze Body Only	\$ 185.
Replacement Blade	\$ 25.

No. 2 Bench Plane

This tool is 7 1/2" long with a 1 5/8" blade. Although a small bench plane, the No. 2 is considerably larger than the No. 1 and has good heft in the hand. The body is available in Bronze (weighing about 3 1/4 lbs) or Cast Iron (weighing about 3 lbs).

No. 2, Bronze or Iron Body	\$ 235.
Replacement Blade	\$ 30.

No. 4 Bench Plane

This is the full size Smoothing Plane, 9 1/2" long, 2" blade, 4 lbs in Iron, 4 1/2 lbs in Bronze. Capable of taking the finest shavings from the most difficult woods.

No. 4, Bronze or Iron Body	\$ 250.
Replacement Blade	\$ 30.
Toothed Blade	\$ 35.

No. 5 Bench Plane

This is the Jack Plane size, 14" long with a 2" blade. At 5 1/2 lbs this tool has great presence and excellent balance.

No. 5, Iron Body Only	\$ 300.
Replacement Blade	\$ 30.
Toothed Blade	\$ 35.

*No. 2 Iron and
Bronze*





Small Chisel Plane

Chisel Planes

After making some prototypes of this interesting and unusual plane, discontinued by Stanley in 1944, it became apparent that a smaller version would also be handy. So we are offering the Chisel Plane in the original size, 10" x 2 1/4", and a half size, 6 1/2" x 1 3/4".

A chisel plane is different from a bull-nose in that there is no support at all ahead of the blade — which makes for poor planing. But as a clean up tool, with the blade set flush with the sole, this plane will excel, removing glue, trimming plugs and dovetails flush or cleaning into the very ends of rabbets.

Bronze body and cap, cherry knob, and stainless steel blade adjuster with a hefty 3/16" blade.

Small Chisel Plane	\$ 120.
Replacement Blade	\$ 28.

Large Chisel Plane	\$ 150.
Replacement Blade	\$ 30.

Hand Scrapers

One nice bonus from the saw project is that the stock for our saw blades is a thin, hard, high carbon Swedish tool steel that is ideal for handscrapers. So, we now offer a set of Hand Scrapers, 2-1/2" x 6". The set includes two scraper blades, .020" thick, which makes a very supple scraper, and .032" thick, which is much stiffer. These blades are ground square on the long edges, are easy to use and very handy.

Hand Scraper Set	\$ 15.
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Scraping Planes

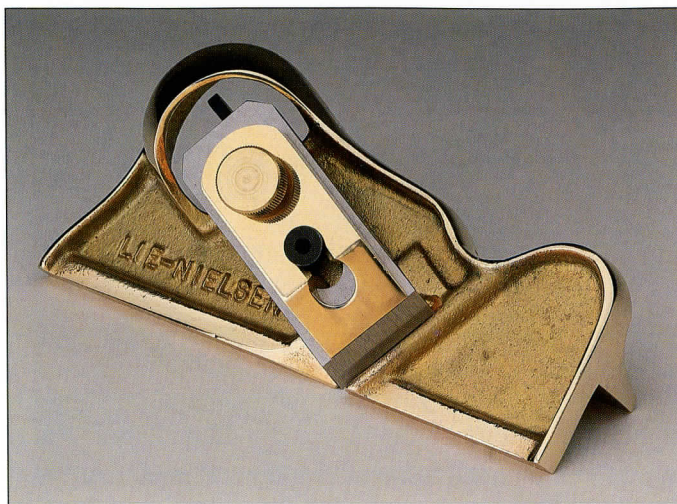
Scrapers will put an excellent finish on woods that do not yield well to the hand plane. A scraping plane is more comfortable to use than handscrapers, and the plane body helps you keep the surface you are scraping flat.

Our Small Scraping Plane (5 1/2" long with a 1 3/8" blade) is based on the Stanley 212, which is scarce today and brings high prices from collectors. It is ideal for smaller work (fly rod makers like it for thickening bamboo fly rod sections). Available with a Bronze or Iron body. The Large Scraping Plane (9 1/2" long with a 2 7/8" blade; weighs 4 pounds) is based on the Stanley 112, and is great for working large surfaces such as tables. Iron body only, ground dead flat.

Both tools have 1/8" thick blades, beveled at 60° for easy sharpening, hardened and tempered to Rockwell 55. This is soft enough to burnish, but hard enough to hold an edge well. Sharp, set properly, with a slight forward tilt to the blade, a very light depth of cut, and smooth, light strokes, these tools will produce a final finished surface on the most difficult hardwoods.

Toothing blades, for preparing surfaces for veneering and for working exceptionally difficult grains, are available in coarse (18 teeth per inch) and fine (25 teeth per inch).

Bronze Scraping Plane	\$ 145.	Large Scraping Plane	\$ 195.
Iron Scraping Plane	\$ 145.	Replacement Blade	\$ 30.
Replacement Blade	\$ 18.	18 TPI Blade	\$ 35.
18 TPI Blade	\$ 28.	25 TPI Blade	\$ 35.
25 TPI Blade	\$ 28.		



*Right-Hand
Edge Plane*

Bronze Edge Plane

This plane, our first tool, is an adaptation of the Stanley No. 95, a specialty plane not made for many years. It has an integral 90° fence, making its primary use trimming edges of stock square. With appropriate angle blocks it can produce various angles or widen dadoes and rabbets to depth. The fence coupled with a low-angle skewed blade makes these jobs simple and precise, working either with or across the grain or in plywoods.

The body is cast Manganese Bronze, a hard and durable alloy, that gives welcome heft to this small plane. Each tool is carefully polished to a mirror finish. Blades are 1/8" tool steel hardened to a very hard Rockwell 60-62. This extra thickness and hardness makes a stiffer blade with a superior edge-holding ability. Our lever adjustment moves the blade with almost zero backlash making adjustment positive and exceptionally smooth. Width of cut is 7/8". Planes are 5 3/4" long. Also available in a left hand version.

Bronze Edge Plane	\$ 125.
Left-Hand Edge Plane	\$ 125.
Replacement Blade	\$ 20.

Ordering Information:

Call 1-800-327-2520 or FAX 207-273-2657 to use MasterCard/Visa or send check (will be held for clearing) or money order in US funds to P.O. Box 9, Warren, Maine 04864 USA, or order online at www.lie-nielsen.com.

Please include a UPS address if possible and a daytime phone number. Shipping is \$6. per tool up to \$18. maximum (Canadian orders \$8.50, maximum \$18.). Overseas orders will be charged actual shipping costs — call or FAX for quotation.

Most tools are available from stock. If an item is out of stock you will be notified of the projected delivery date. If you are dissatisfied for any reason, return your tool within 30 days for your money back. Materials and workmanship are guaranteed for the life of your tool.

DATE: _____

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Shipping: \$6. per tool
\$18 max. Canadian
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\$18. max.

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Until December 31, 1999

Thank you for your order.

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